

WHAT IS CLAIMED IS:

1. A lateral force-measuring device for wheel, which comprises;

5 a rotator axially installed with universal function for moving in an axial direction and is dependently rotated by a rotation of a pressed wheel, and

a load-measuring device measuring a moving load for an axial direction of a rotator when a rotator is rotated.

10 2. The lateral force-measuring device for wheel, as claimed in claim 1, wherein said rotator axially installed with universal function for moving in an axial direction is dependently rotated by a rotation of one of a pair of pressed wheels.

15 3. A lateral force-measuring device for wheel as set forth in claim 1, which further comprises;

a dog relatively attached to said rotator with universal function for rotation, and

20 a load sensor measuring a moving load of the dog.

4. The lateral force-measuring device for wheel as set forth in claim 2, which further comprises;

25 a dog relatively attached to said rotator with universal function for rotation, and

a load sensor measuring a moving load of the dog.

5. A lateral force-measuring device for wheel as set forth in claim 1 comprises;

a wheel-driving device to rotate said wheel.

5

6. The lateral force-measuring device for wheel as set forth in claim 2 comprises;

a wheel-driving device to rotate said wheel.

10

7. The lateral force-measuring device for wheel as set forth in claim 3 comprises;

a wheel-driving device to rotate said wheel.

8. The lateral force-measuring device for wheel as set forth in claim 4 comprises;

a wheel-driving device to rotate said wheel.

15

9. A vehicle inspecting system incorporating a lateral force-measuring device for wheel therein as set forth in any one of claims 1 to 8.

20

10. A lateral force-measuring method for wheel comprises such that a wheel is pressed to a rotator axially installed with universal function for moving in an axial direction, and a rotator is dependently rotated by a rotation of a wheel to measure a moving load for an axial direction of a rotator.

25

11. The lateral force-measuring method for wheel as set forth in claim 10, wherein one of a pair of wheels is independently pressed to a rotator axially installed with universal function
5 for moving in an axial direction.

10